change "FIG. 3" to --FIG. 14--. line 6. lines 13-15, delete these lines in their entirety. line 24, change "(a XY-table in this" to --(an XY-table 11 in this--. line 25, delete "11".

Page 46, line 24, delete "The portions in FIG. 3 having the same reference". line 25, delete this line in its entirety.

Page 47, line 1, delete this line in its entirety. line 9, change "(a XY-table in this" to --(an XY-table 11 in this--. line 10, delete "11".

Page 50, line 4, after "that" insert --they--.' Page 51, line 15, change "to be filled in the" to --filled-in in the--.

IN THE CLAIMS:

Please amend claims 1-3, 5-9, 11-13 and 15-17 as follows:

1. (Amended) A method for machining a ceramic green sheet for forming a plurality of feedthrough holes on the ceramic green sheet, comprising [the steps of]:

[allowing] passing a laser beam empitted from a laser source [to pass] through a diffraction grating to split the beam into plural laser beams; and

simultaneously forming a phyrality of feedthrough holes within a desired area on the ceramic green sheet by irradiating the

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[laser beams split into] plural \underline{laser} beams onto the ceramic green sheet.

- 2. (Amended) A method for machining a ceramic green sheet according to Claim 1, wherein the ceramic green sheet is irradiated with the <u>plural</u> laser beams while allowing the ceramic green sheet to travel.
- 3. (Amended) A method for machining a ceramic green sheet according to Claim 1, wherein the ceramic green sheet is irradiated with the <u>plural</u> laser beams while allowing the ceramic green sheet to intermittently travel

5. (Amended) A method for machining a ceramic green sheet for forming a plurality of feedthrough holes on the ceramic green sheet, comprising [the steps of]:

disposing a laser source for emitting a pulse laser beam, a diffraction grating for splitting the laser beam into plural laser beams, a galvano-scan mirror for allowing the <u>plural</u> laser beams to reflect with a predetermined reflection angle, a converging lens for individually converging the <u>plural</u> laser beams reflected from the galvano-scan mirror, and the ceramic green sheet so as to be arranged in a predetermined position;

[allowing] <u>passing</u> the laser beam emitted from the laser source [to pass] through the diffraction grating <u>to split the laser</u> beam into plural laser beams;

[splitting the beam into plural laser beams;]

irradiating the [split pulse] plural laser beams on the ceramic green sheet by allowing the plural laser beams to reflect with a galvano-scan mirror to simultaneously form a plurality of feedthrough holes within a desired area on the ceramic green sheet; and

repeatedly irradiating the ceramic green sheet with the plural laser beams by changing reflection angles of the galvano-

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scan mirror to form a plurality of feedthrough holes within a different area on the ceramic green sheet.

6. (Amended) A method for machining a ceramic green sheet for forming a plurality of feedthrough holes on a ceramic green sheet, comprising [the steps of]:

disposing a laser source for emitting a pulse laser beam, a galvano-scan mirror for allowing the \not laser beam to reflect with a predetermined angle, a diffraction grating for splitting the laser beam into plural laser beams, a converging lens for individually converging the plural laser beams [split into plural beams], and the ceramic green sheet so a/s to be arranged in a predetermined position;

[allowing] directing the pulse laser beam emitted from the laser source onto the galvano-scar mirror;

reflecting the <u>pulse laser</u>/beam with the galvano-scan

[allowing] passing the pulse laser beam reflected by the mirror; galvano-scan mirror [to pass] through the diffraction grating to split the <u>pulse laser</u> beam into plural laser beams;

simultaneously forming a plurality of feedthrough holes within a desired area on the ceramic green sheet by irradiating the ceramic green sheet with the $\sqrt[l]{\text{split pulse}}$ plural laser beams; and

repeatedly irradiating the ceramic green sheet with the laser beams by changing reflection angle of the galvano-scan mirror to form a plurality of feedthrough holes within a different area on the green sheet.

7. (Amended) A method for machining a ceramic green sheet according to Claim/5, wherein the [pulse laser beam] ceramic green sheet is irradiated with the plural laser beams while allowing the ceramic green sheet to travel.

 Δ 8. (Amended) A method for machining a ceramic green sheet according to Claim 1, wherein the diffraction grating is [formed using] made of a material having a high transmittance against the laser beam.

9. (Amended) A method for machining a ceramic green sheet according to Claim 1, wherein the [laser emitted from the] laser source is a CO2 laser.

- 11. (Amended) An apparatus for mach ning a ceramic green sheet comprising:
 - a support member for supporting the ceramic green sheet;
- a travel member for allowing the ceramic green sheet to travel along a predetermined direction;
 - a laser source;
- a diffraction grating [for/allowing] positioned with respect to the laser source such that the laser beam emitted from the laser source [to pass] passes/through the diffraction grating to split the beam into plural laser beams; and
- a converging lens for individually converging the \underline{plural} laser beams [split into plumax beams after passing through the diffraction grating) to irradiate the plural laser beams onto the ceramic green sheet supported with the support member.
- 12. (Amended) An apparatus for machining a ceramic green sheet comprising:
 - a support wember for supporting the ceramic green sheet;
 - a laser søurce;
 - a diffraction grating [for allowing] positioned with

respect to the laser source such that the laser beam emitted from the laser source [to pass] passes through the diffraction grating to split the beam into plural laser beams;

a galvano-scan mirror for reflecting with a predetermined reflection angle each of the plural laser beams

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[after passing through the diffraction grating and being split into plural beams];

- a galvano-scan mirror driving member for changing the reflection angle of the galvano-scan mirror; and
- a converging lens for individually converging the <u>plural</u> laser beams after being reflected with the galvano-scan mirror at a predetermined angle to irradiate each of the <u>plural</u> laser beams onto the ceramic green sheet supported with the support member.
- 13. (Amended) An apparatus for machining a ceramic green sheet comprising: $$\Lambda^{\prime}$$
 - a support member for supporting the ceramic green sheet;
 - a laser source;
- a galvano-scan mixror for [allowing] reflecting the laser beam to reflect at a predetermined angle;
- a galvano-scan mirror [deriving] driving member for changing the reflection angle of the galvano-scan mirror;
- a diffraction grating [for allowing] <u>positioned with</u>

 <u>respect to the laser source such that</u> the laser beam reflected by

 the galvano-scan mirror at a predetermined angle [to pass] <u>passes</u>

 through <u>the diffraction grating</u> to split the beam into plural laser

 beams; and
- a converging lens for individually converging the [laser beam split into] plural beams [after passing through the diffraction grating] to irradiate each of the plural laser beams onto the ceramic green sheet supported with the support member.
- 15. (Amended) A method for machining a ceramic green sheet for forming a plurality of feedth ough holes having the same shape and size on the ceramic green sheet, comprising [the steps of]:

[allowing] <u>passing</u> a laser beam emitted from a laser source [to pass] through the diffraction grating to split the <u>laser</u> beam into plural laser beams having a uniform shape and size

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corresponding to the shape and size of feedthrough holes to be formed; and

simultaneously forming a plurality of feedthrough holes having a uniform shape and size onto the ceramic green sheet by irradiating the [laser beams uniformly split into] plural <u>laser</u> beams onto the ceramic green sheet.

16. (Amended) A method for machining a ceramic green sheet comprising:

[allowing] passing a laser beam emitted from a laser source [to pass] through a diffraction grating to split the <u>laser</u> beam into plural laser beams having an energy suitable for forming fine holes with a diameter of 50 μ m or less by irradiating the <u>plural</u> laser beams [split into plural beams] onto the ceramic green sheet; and

forming a plurality of fine holes having with a diameter of 50 μm or less by irradiating the plural laser beams [split into plural beams] onto the ceramic green sheet.

17. (Amended) A method for machining a ceramic green.

sheet for forming a plurality of feedthrough holes on the ceramic green sheet one face of which is supported with a carrier film, comprising:

[allowing] passing a pulse laser beam emitted from a laser source [to pass] through a diffraction grating to split the beam into plural laser beams having such an energy that allows each [split] of the plural laser beams to penetrate through the ceramic green sheet but not to penetrate through the carrier film; and

forming a plurality of feedthrough holes on the ceramic green sheet by irradiating the [pulse laser beams split into] plural <u>laser</u> beams on one face of the ceramic green sheet that is not supported with the carrier film.